XLIV. *An Account of the Obſervations made upon the Tranſit of* Venus *over the Sun, 6th* June 1761, *at* Cajaneburg *in* Sweden, *by Monſ.* Planman: *Communicated in a Letter from Mr.* Peter Wargentin, *Secretary to the Royal Academy of Sciences in* Sweden, *and F. R. S. to Mr.* John Ellicott, *F. R. S. Tranſlated from the* French.

Stockholm, October 30, 1761

Read Nov. 26, 1761.

IN a letter, of the 7th of Auguſt, which I wrote to you, I communicated to you ſome obſervations on the late tranſit of Venus, made in Sweden, and, among theſe, that of Monſ. Planman, made at Cajanebourg. Since that time, ſome new obſervations have ſhewn, that the difference of meridians between Stockholm and Cajanebourg is only 38′ 40″ to 45″, that is, half a minute leſs than I preſumed then. This correction has convinced Monſ. Planman, that, in his obſervation on the interior contact of the limbs of Venus and the ſun, there has happened an error of a minute; not through the fault of the obſerver, but that of his aſſiſtant, who counted the ſeconds at the clock: ſo that, inſtead of 10^h 8′ 58″, it ſhould be 10^h 7′ 58″. I think it extremely probable, that this is the fact; for, upon this correction, all the obſervations of Monſ. Planman agree very well with each other, and with thoſe of the other aſtronomers.